

Project No. \_\_\_\_\_  
Book No. \_\_\_\_\_

TITLE Repeat unit assay QC for rTag  
lot # EKBT1 done on P 61

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Amplitag lot # 9957 for control  
lot EKBT1 is ~401 u/ml based on P.61

# 1. starting dilutions of EKBT1:

1:80 (estimate cf=5 u/l)

1:160 (estimate cf=2.5 u)

lot EKBT1 5 µl

5 µl

Tag storage 395 µl  
buffer

395 µl

actual is 4.03 u/l

actual is 2.01 u

Vf= 400 µl

Vf= 800 µl

# 2. 1/600 dilutions

serial dilution #	1-6	7-12	13-18	19-24	25-30	31-36	37-42	43-48	49-54
	I	II	III	IV	V	VI	A-1	A-2	A-3
1:80 dil	31	3	3						
1:160 dil				3	3	3			
Amplitag 5 u/l							3	3	3
lot # 1									

dilution buffer 1797 µl  
Vf= 2000 µl  
1800 µl

Vortex 5 s  
use from 20 to 40 ml

dilute I - A-3 as shown for I below:

# 3. Serial dilutions

serial dilution #	dilution buffer
1	100 µl → 300 µl
2	100 µl → 300 µl
3	100 µl → 300 µl
4	100 µl → 300 µl
5	100 µl → 300 µl
6	1 ml of I → 300 µl

dilute I - III and assay  
then dilute IV - VI and assay  
then dilute A-1 - A-3 and assay

SA I-III = 45 µl assay mix + 5 µl dil buffer, do same for IV-VI  
spot 4 x 5 µl on 6 FC in one aqueous

Blank is 45 µl assay mix + 5 µl dil buffer → spot on GTC along with other

Witnessed & Understood by me,  
Deeanna Polansky

Date  
1/6/95

Invented by  
[Signature]

Recorded by

Date  
11-15-94

age No. \_\_\_\_\_

# 55-57 = Blank for I-III, IV-VI and A1-A3 respectively

58-61 = SA for I-III

62-65 = SA for IV-VI

Result:

using amphotag lot #9957 here gives a  
unit value of ~~323.4 u/ml~~ 323.4 u/ml  
compared to 401 u/ml (found on P.61, 10-1-94)

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Read &amp; Understood by me,

Date

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Recorded by

10-15-94



1/6/95